

## FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected

Band released

State of Fee Land

## LOGS FILED

Driller's Log \_\_\_\_\_

Electric Logs (No. ) \_\_\_\_\_

E \_\_\_\_\_ I \_\_\_\_\_ S-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U 24636		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR McCulloch Oil & Gas Corporation		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 3033 N.W. 63rd St.; Suite 250-E, Okla. City, Okla. 73116		8. FARM OR LEASE NAME Pickett Federal 33		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <del>1550' FSL &amp; 2300' FWL</del> of Section 33, T36S-R25E At proposed prod. zone <b>1372' FSL 2375' FWL NE SW</b> Same as above		9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Wildcat		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 33, T36S-R25E		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 5700' <i>AKA</i>	12. COUNTY OR PARISH San Juan		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Est. 5700'	20. ROTARY OR CABLE TOOLS Rotary	13. STATE Utah		
22. APPROX. DATE WORK WILL START* April 1, 1980				
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	400'	400 sacks
7 7/8"	4 1/2"	10.5#	5700	300 sacks

Additional information attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

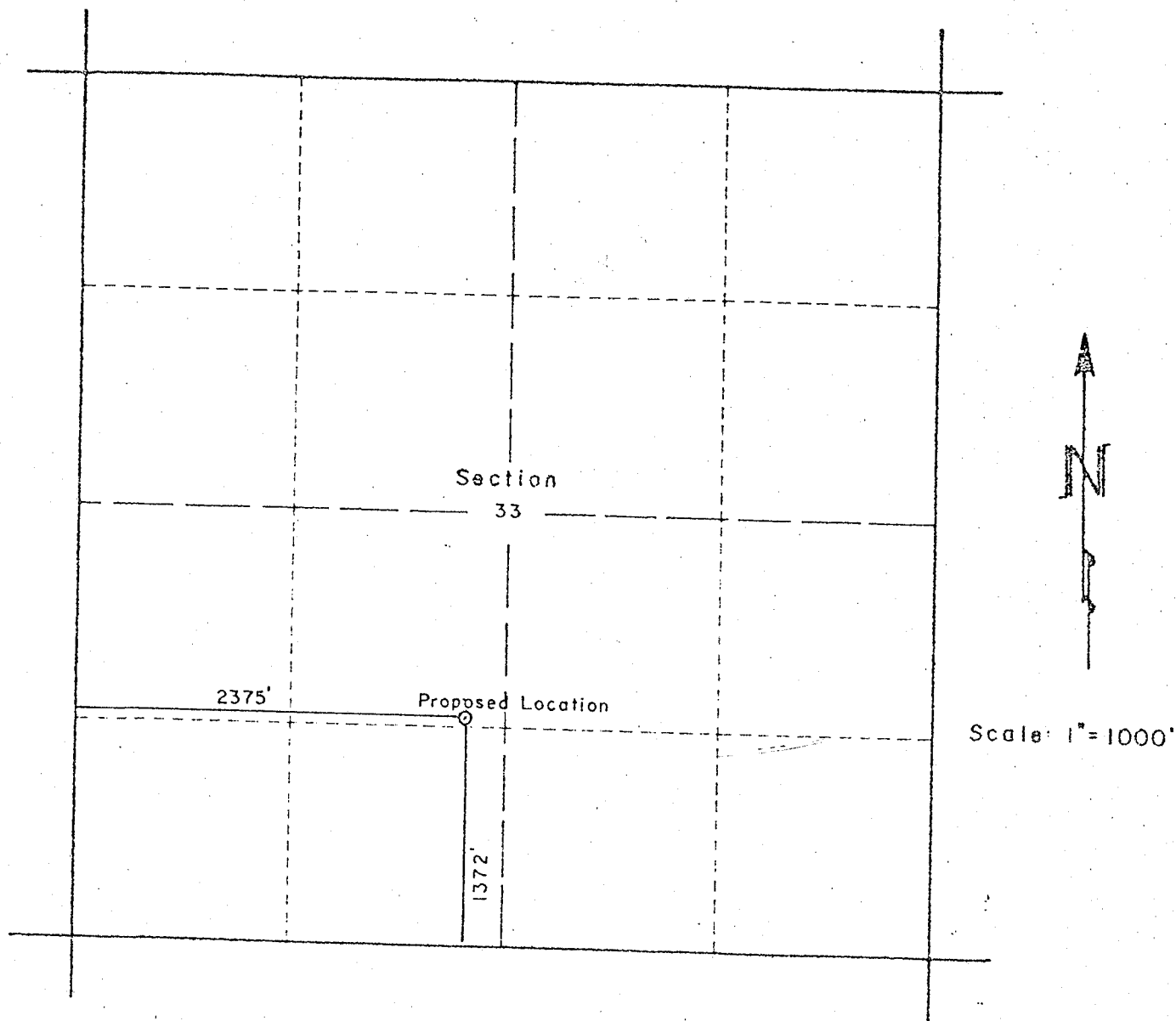
24. SIGNED <i>W.R. Lynn</i> W.R. Lynn	TITLE District Drlg Engineer	DATE February 27, 1980
(This space for Federal or State office use)		
PERMIT NO. 43-037-30539	APPROVAL DATE 17 March 1980	
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		

RECEIVED

MAR 10 1980

\*See Instructions On Reverse Side

DIVISION OF  
OIL, GAS & MINING



# WELL LOCATION:

Located 1372' feet North of the South line and 2375 feet East of the West line of Section 33  
 Township 36 South Range 25 East Salt Lake Base & Meridian

Existing ground elevation determined at 5656 feet based on USGS Datum

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor



McCULLOCH OIL & GAS CORP.  
 Oklahoma, City, Oklahoma

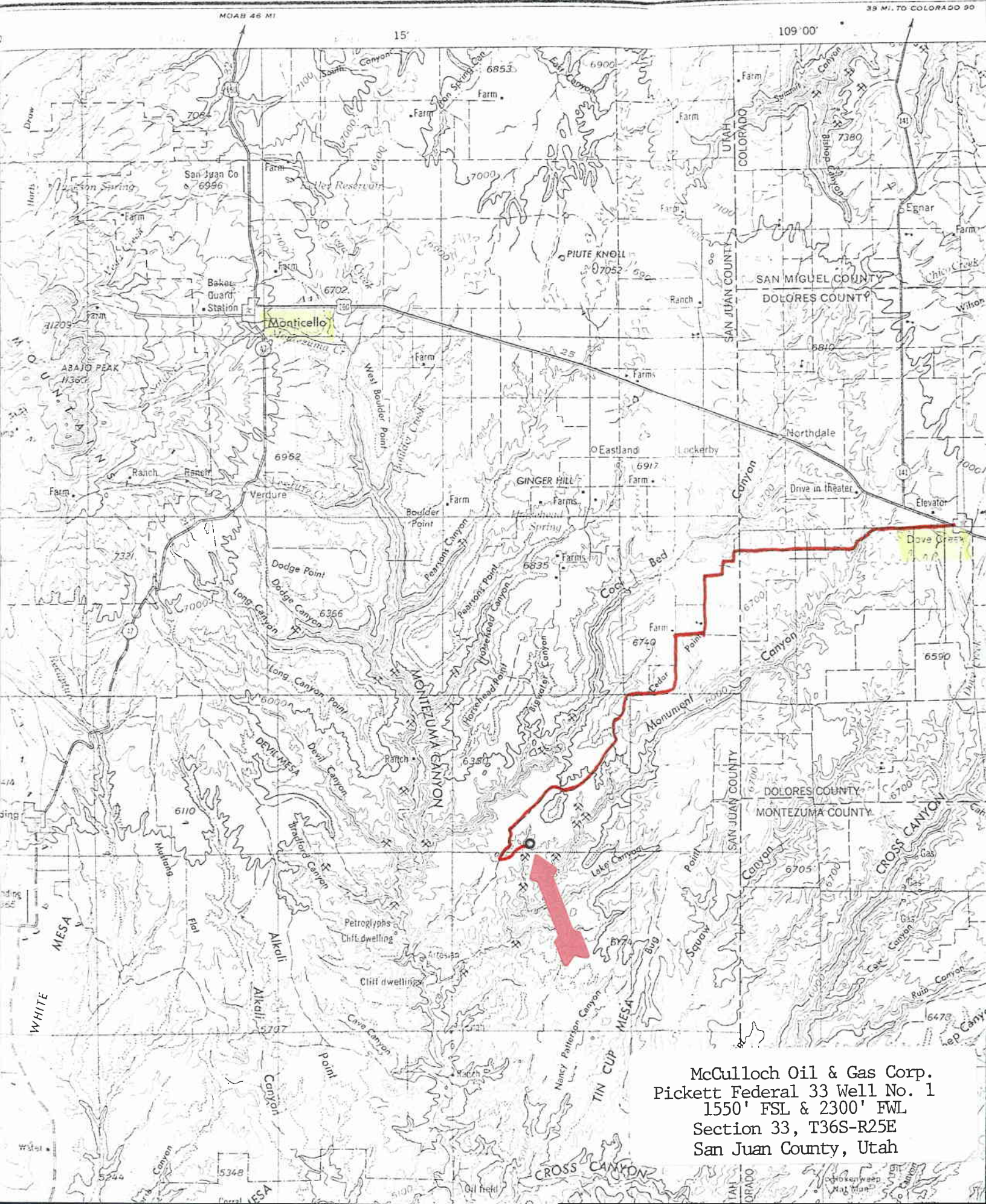
WELL LOCATION PLAT  
 Pickett Federal No. 1-33  
 Sec. 33, T36S, R25E, SLM  
 San Juan Co., Utah

CLARK - REED & ASSOC.  
 Durango, Colorado

DATE: MARCH 4, 1980  
 FILE NO: 80011

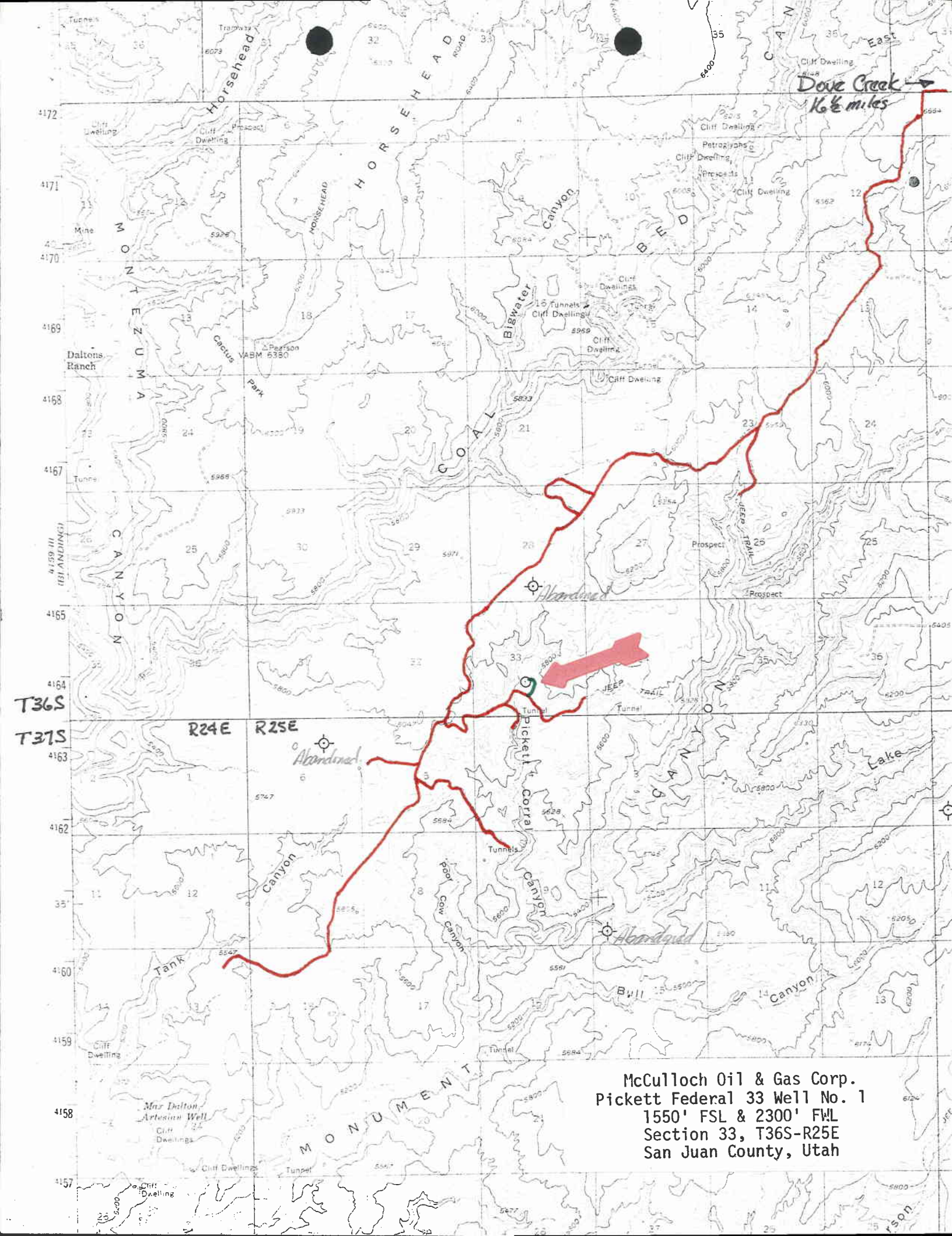


# CORTEZ



McCulloch Oil & Gas Corp.  
Pickett Federal 33 Well No. 1  
1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah





Dove Creek  
16 1/2 miles

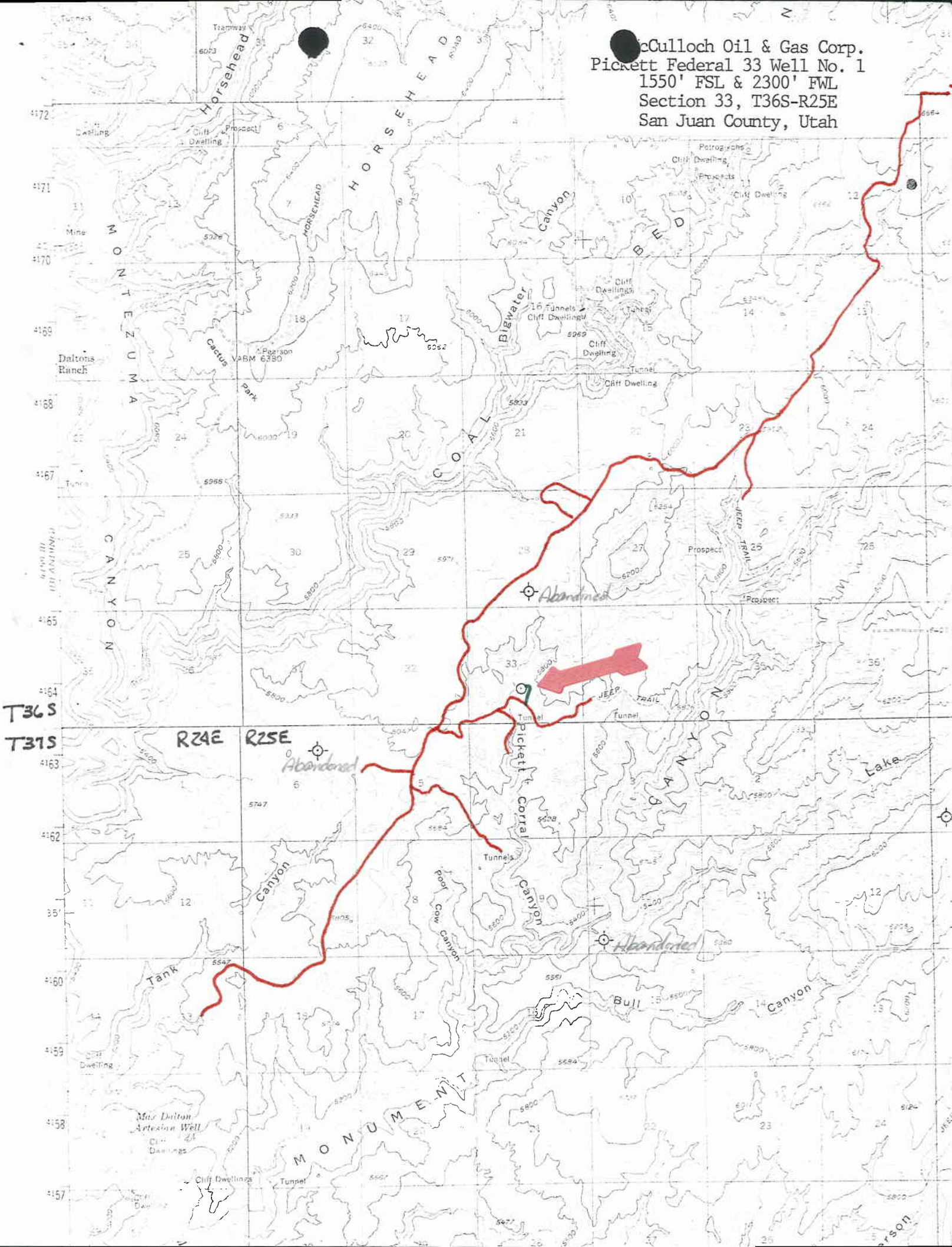
T36S  
T37S

R24E R25E

McCulloch Oil & Gas Corp.  
Pickett Federal 33 Well No. 1  
1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah



McCulloch Oil & Gas Corp.  
Pickett Federal 33 Well No. 1  
1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah



McCULLOCH OIL & GAS CORPORATION

Formation Information and Drilling Procedures  
(continuation of Item 23 Form 9-331 C)

WELL

Pickett Federal 33 No. 1

LOCATION

1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah

Federal Lease Number U 24636

1. Geologic Name of Surface Formation  
Morrison Sandstone

2. Estimated Tops of Important Geologic Markers

Jurassic	Curtis	310'
	Entrada	430'
	Carmel	590'
Triassic	Navajo	630'
	Kayenta	1000'
	Wingate	1200'
	Chinle	1380'
	Shinarump	2130'
	Moenkopi	2220'
Permian	Cutler	2280'
Penn.	U. Hermosa	4260'
	U. Ismay	5330'
	L. Ismay	5480'
	Desert Creek	5580'
	Akah	5675'
Total Depth		5700'

3. Estimated Depths at which Anticipated Water, Oil, Gas, or Other Mineral Bearing Formations are Expected

5330'	Oil and Gas
5580'	Oil and Gas

4. Proposed Casing and Cementing Program

Surface Casing: 9 5/8", 36 lb/ft, K-55, ST&C new casing to be set at 400' and cemented to surface with 400 sacks of Class "B" cement containing 2%  $\text{CaCl}_2$ .

Production Casing: 4 1/2", 10.5 lb/ft, K-55, ST&C new casing to be set at 5700' and cemented with 300 sacks 50:50 pozmix cement containing 10% salt and 0.75% CFR-2. If water flows are encountered in the upper formations, a two stage cementing operation will be performed. The first stage will be as outlined above and the second stage will consist of approximately 400 sacks of Lite cement followed by 100 sacks of Class "B" neat cement pumped through a cementing stage tool set 100' below the water flow.

5. Specifications for Pressure Control Equipment

The attached schematic drawings show the pressure control equipment to be used while drilling. All equipment is rated at 3000 psi. The blowout preventer will be tested to 1000 psi prior to drilling from under the surface casing by applying pressure through a casing valve with the blind rams closed. This procedure will be repeated with the pipe rams closed on a joint of drill pipe. Operation of the hydraulic system will be checked daily.



6. Drilling Fluids

Depth	Type	Weight	Viscosity	Water Loss
0 - 400'	Gel-lime	8.6 - 9.0	35-40	NC
400 - 5000'	Low solids	8.6 - 9.0	28-30	NC - 15
5000 - TD	Gel-Chem	9.0 - 11.0	35-45	6 - 8

7. Logging, Coring, and Testing Program

Logging: Dual Induction Loaterolog, Gamma Ray Sonic Log, Gamma Ray Compensated Neutron Formation Density Log, and High Resolution Dipmeter.

Coring: The Upper Ismay interval from approximately 5330' to 5450' will be cored, and the Desert Creek interval from 5610 to 5670' will be cored.

Drill Stem Tests: DST will be conducted only as warranted by indications of porosity and shows. Most probable candidates will be the Upper Ismay and Desert Creek Formations.

8. Abnormal Pressures, Temperatures, or Potential Hazards

No abnormal pressures or temperatures are expected; however, the precautionary measures listed below will be taken immediately prior to and while drilling the Desert Creek formation.

- Test pressure control equipment to 1000 psi.
- Raise mud weight to at least 11.0 ppg prior to drilling into the Desert Creek formation.
- Check for flow after cutting 5' of a drilling break.
- Have on location adequate water, barite, gel, and chemicals to raise mud weight to 12.5 ppg.
- Have 24 hour supervision on location.

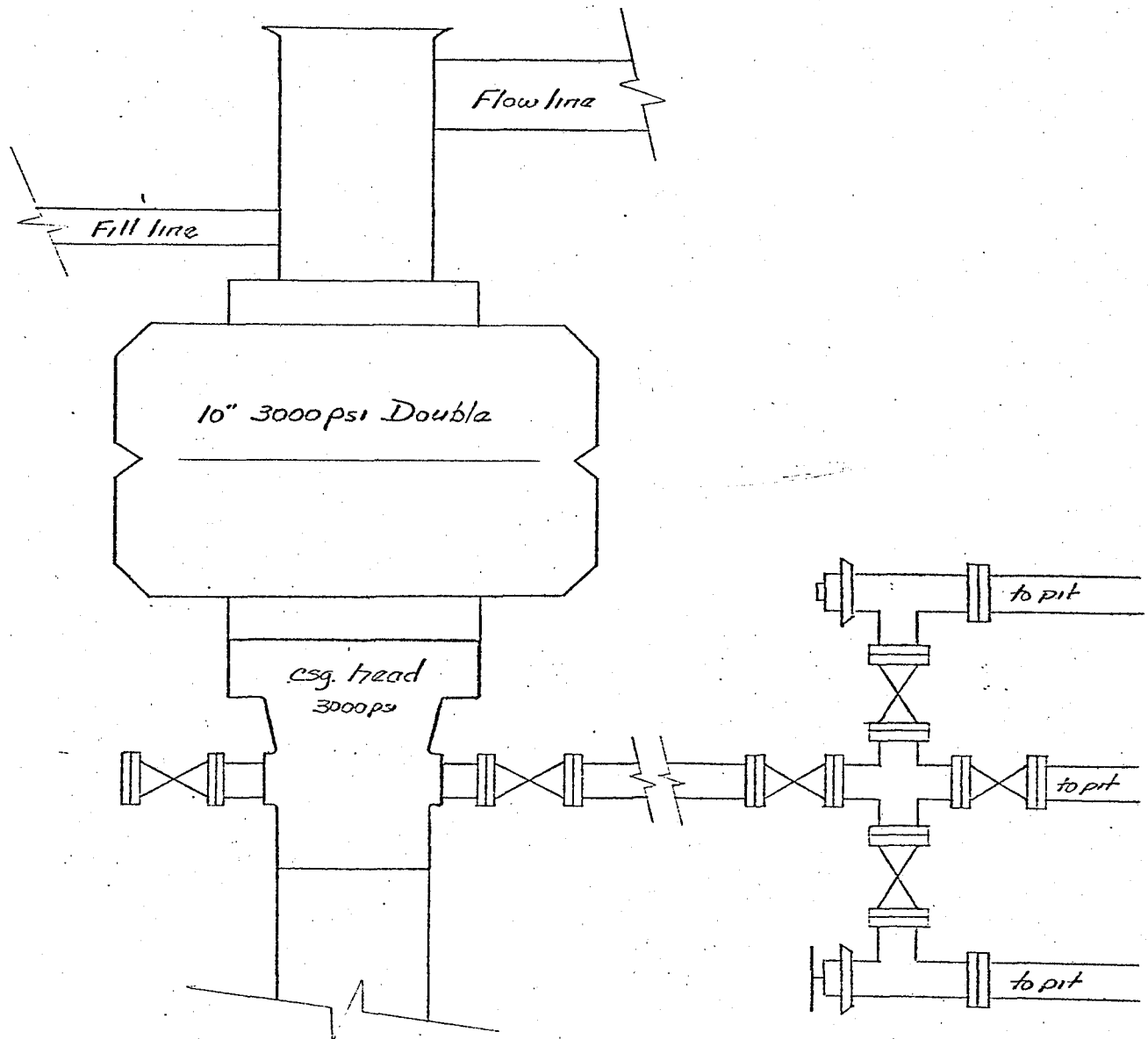
None of the formations to be penetrated are expected to contain any hazardous gasses.

9. Starting Date

The anticipated starting date is April 1, 1980. Approximately 30 days will be required to build roads and location and then drill the well to total depth. If commercial, completion operations will commence immediately and require an additional 15 days.

# Schematic of Pressure Control Equipment

McCulloch Oil & Gas Corp.  
Pickett Federal 33 No. 1  
Section 33, T36S-R25E  
San Juan County, Utah



McCULLOCH OIL & GAS CORPORATION

Multi-Point Surface Use and Operations Plan

WELL

Pickett Federal 33 No. 1

LOCATION

1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah

Federal Lease Number U 24636



1. Existing Roads (Shown in orange)

The attached topographic maps show all existing roads within three miles of the proposed location. To reach the proposed location go west of Dove Creek, Colorado, 8 miles; turn south, go 1/4 mile; turn west, go 1/2 mile; turn south, go 1/2 mile; turn west, go 3/4 mile; turn south, go 2 miles; turn west, go 1 mile; turn south, go 2 miles; turn west, go 1 1/2 miles; turn south, go 2 miles; take road to right, go 1.9 miles; take road to right, go 1 mile; take road to left, go 3 miles; take road to left, go 0.7 miles; take road to left, go 0.2 miles (just past creek bottom); turn left and go 500' to location. These are all existing roads and are marked in orange on the attached maps. The last 500' of road (marked in green) to the location will have to be constructed.

A portion of the existing roads may have to be upgraded to take care of heavy truck traffic. This will require no more than leveling rough spots in the present roadway.

2. Planned Access Road (Shown in green)

The new access road will be approximately 500' long and 20' wide. Drainage will run beside the road, with water bars used where necessary to prevent erosion. Maximum grade will be about 5%. No turnouts or culvert will be required. No gates, cattleguards, or fences will be crossed. No major cuts or fills should be required.

3. Location of Existing Wells

All wells (water, abandoned, disposal, and drilling) within a two mile radius are shown and so labeled on the attached plat.

4. Location of Tank Batteries, Production Facilities, and Production Gathering, and Service Lines

All production facilities are to be contained within the proposed location site. McCulloch does not own or control any of the above facilities within one mile of the proposed location.

5. Location and Type of Water Supply

Water for drilling will be trucked from Montezuma Creek in Section 23, T37S-R24E, approximately 6 road miles south and west of the location. This water source is located on federal land.

6. Source of Constructin Material

Any construction material required for roads or location will be excess material accumulated from building of such sites.

7. Method of Handling Waste Disposal

The location of the reserve and burn pit is shown on the attached drill site layout. All trash and burnable material will be burned in the burn pit when safety permits. All nonburnable material (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, and then back-filled with dirt prior to preparing the location for production or abandonment.

A portable chemical toilet will be supplied for human waste.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Well Site Layout

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

10. Plans for Restoration of Surface

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any top soil replaced and will be reseeded when germination of seeds can take place.

Should the well be commercial, that portion of the location not needed for operation will be repaired as above. The portion of the location needed for daily production operations and the access road will be kept clean and in good repair.

In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling.

11. Other Information

This location is in Pickett Corral Canyon. There is a hillside to the east and the creek bed to the west. The soil is a sandy loam. Sparse vegetation consists mostly of sage brush and native grasses.

The surface agency for the drill site and access road is The Bureau of Land Management.

There are no occupied dwellings in the area.

There were no archaeological or cultural sites visible on the location. An archaeologist will be present for the pre-drill inspection and will submit his report afterward.

12. W.R. Lynn  
McCulloch Oil & Gas Corporation  
3033 N.W. 63rd St.  
Suite 250-E  
Oklahoma City, Oklahoma 73116  
(405) 840-3285

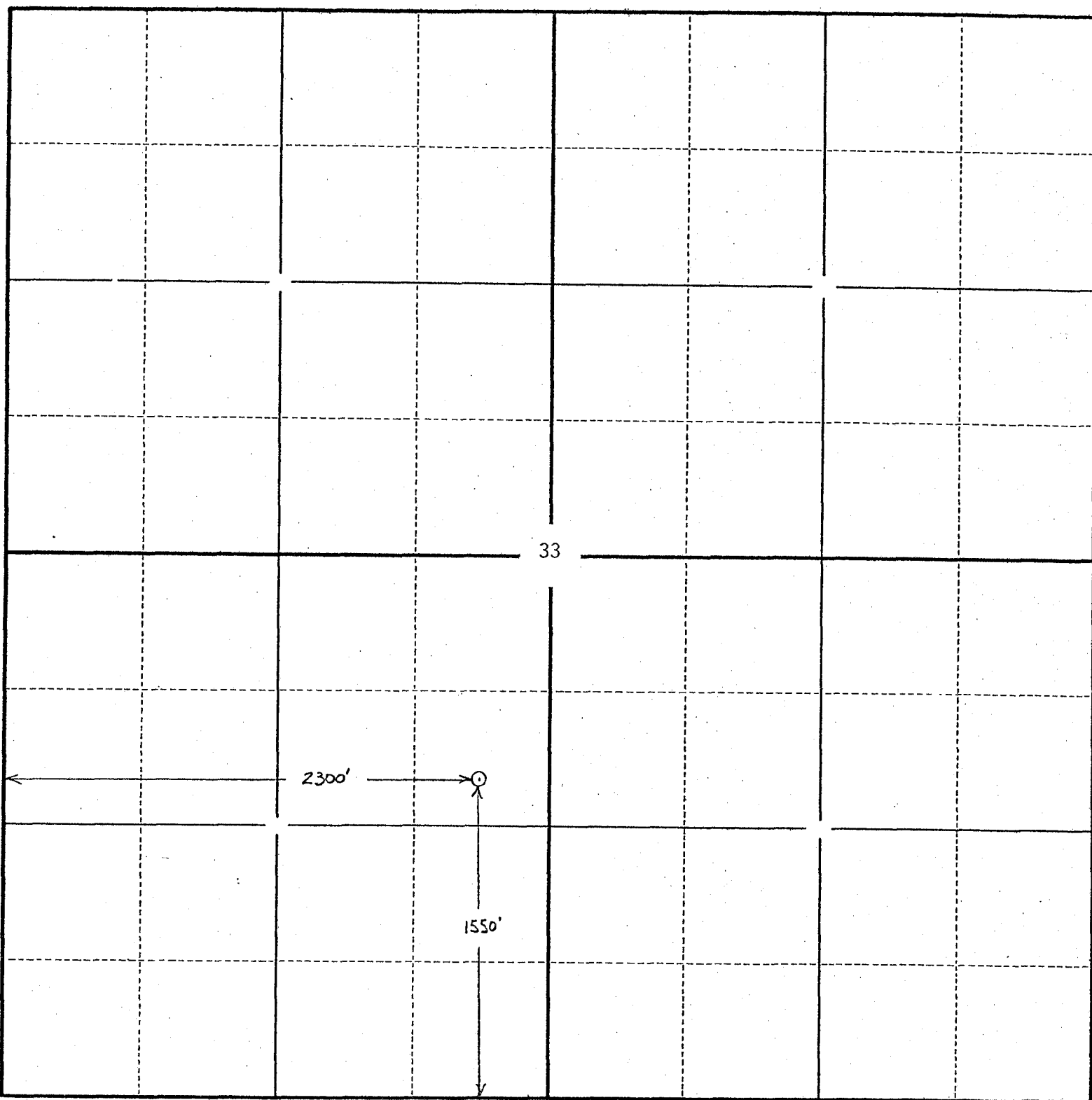
13. I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by McCulloch Oil & Gas Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

2-27-80

  
W.R. Lynn

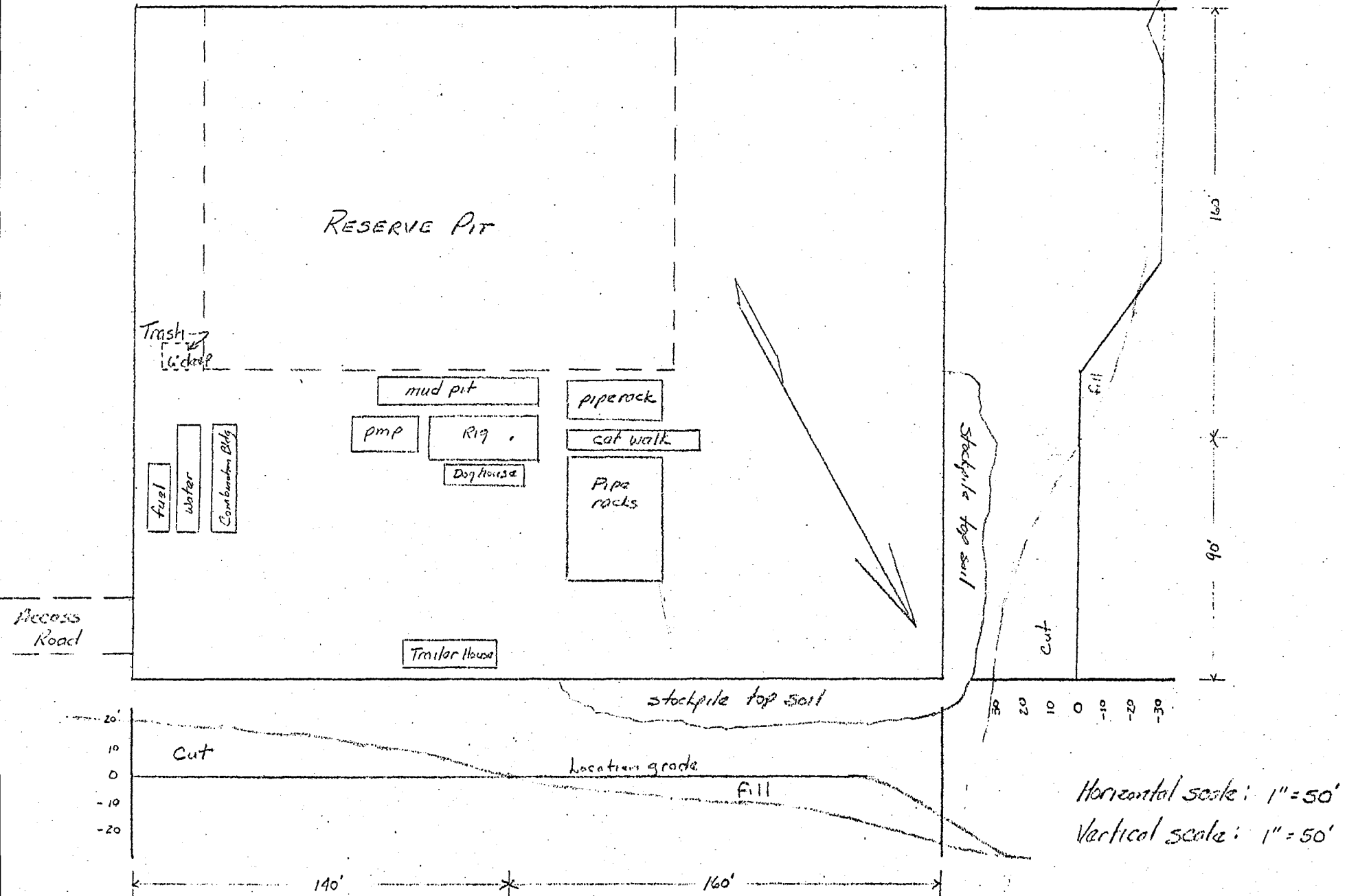


Township 36S, Range 25E, County San Juan, State Utah



McCulloch Oil & Gas Corp.  
Pickett Federal 33 Well No. 1  
1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah  
Federal Lease No. U 24636

McCulloch Oil & Gas Corp.  
Pickett Federal 33 Well No. 1  
1550' FSL & 2300' FWL  
Section 33, T36S-R25E  
San Juan County, Utah



# McCulloch Oil and Gas Corporation



March 7, 1980

Utah State Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attn: Mr. Cleon B. Feight

Re: McCulloch Oil & Gas Corp.  
Pickett Federal 33 No. 1  
1372' FSL & 2375' FWL  
Section 33, T36S-R25E  
San Juan County, Utah

Dear Sir:

Please accept this letter as request for an unorthodox location for the subject well. This request is necessary because of geological and topographic conditions.

A seismic line was run across the proposed location and, in order to maintain maximum geological control, it is desirous to drill the proposed well on or at least very near this seismic line. Due to the terrain of the area, the proposed location is as near to the optimum location as possible.

The ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

Yours very truly,

  
W.R. Lynn

WRL/dj

**RECEIVED**

MAR 10 1980

DIVISION OF  
OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other
2. NAME OF OPERATOR  
McCulloch Oil & Gas Corp.
3. ADDRESS OF OPERATOR  
3033 N.W. 63rd St., Okla. City, OK 73116
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: ~1372' FSL & 2375' FWL of Section  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

- TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

- ☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(other) Revise location and  
Casing program

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: 3/14/80

(NOTE: Report results of multiple completion or zone  
completion on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

In order to avoid extremely rough terrain and an archaeological site, it is necessary to move the location from the originally proposed location (1550' FSL & 2300' FWL) to the revised location shown above. A surveyor's plat is attached.

Also, a change in the proposed casing program is necessary. Surface casing will now be set to 1450' and cemented back to surface with 600 sx Light cmt followed by 200 sx Class 'B' cmt.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

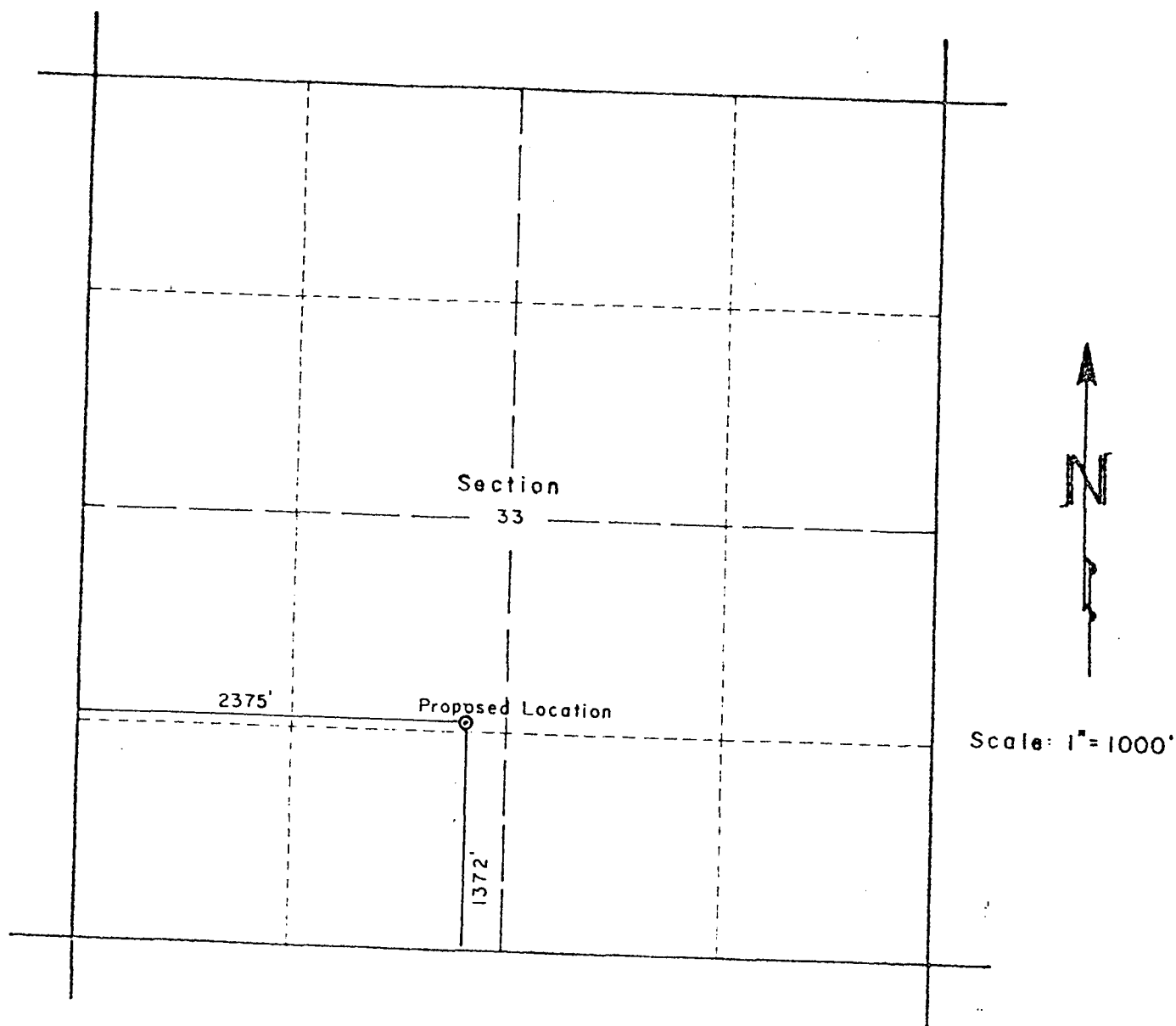
SIGNED J.D. Rawdon TITLE District Manager DATE March 7, 1980

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**RECEIVED**

**MAR 10 1980**



# WELL LOCATION:

Located 1372' feet North of the South line and 2375 feet East of the West line of Section 33  
 Township 36 South Range 25 East Salt Lake Base & Meridian

Existing ground elevation determined at 5656 feet based on USGS Datum

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor



McCULLOCH OIL & GAS CORP.  
 Oklahoma, City, Oklahoma

WELL LOCATION PLAT  
 Pickett Federal No. 1-33  
 Sec. 33, T36S, R25E, SLM  
 San Juan Co., Utah

CLARK - REED & ASSOC.  
 Durango, Colorado

DATE: MARCH 4, 1980  
 FILE NO: 80011

\*\* FILE NOTATIONS \*\*

DATE: March 10, 1980

Operator: McCulloch Oil & Gas Corp

Well No: Pickett Federal # 33-1

Location: Sec. 33 T. 36S R. 25E County: San Juan

File Prepared: ☐

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☐

☒ API Number 43-087-30539

CHECKED BY:

Geological Engineer: M. J. Minder 3/14/80

Petroleum Engineer: \_\_\_\_\_

Director: \_\_\_\_\_

sending Sunday to change location + survey plat - 3/13

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☒

Order No. \_\_\_\_\_

O.K. Rule C-3 ☒

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☒

Lease Designation 3d

Plotted on Map ☒

Approval Letter Written ☒  
ltm

#2

PI he



March 17, 1980

McCulloch Oil and Gas Corporation  
3033 NW 63rd Street, Suite 250-E  
Oklahoma City, Oklahoma 73116

Well No. Pickett Federal #33-1  
Sec. 33, T. 36S, R. 25E.,  
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30539.

Sincerely,

DIVISION OF OIL, Gas and Mining

Michael T. Minder  
Geological Engineer

/b:tm

CC: USGS

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: McCulloch Oil and Gas

WELL NAME: Pickett Federal #33-1

SECTION 33 NE SW TOWNSHIP 36S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Brinkerhoff Signal

RIG # 70

SPUDDED: DATE 4/11/80

TIME 4:30 p.m.

How rotary

DRILLING WILL COMMENCE presently

REPORTED BY Dick Lynn

TELEPHONE # 405-840-3285

DATE April 16, 1980

SIGNED Original Signed By M. T. Winder

cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U 24636

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pickett Federal

9. WELL NO.

1-33 (1-33)

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Sec. 33, T36S-R25E

12. COUNTY OR  
PARISH

San Juan

13. STATE

Utah

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

McCulloch Oil &amp; Gas Corp.

3. ADDRESS OF OPERATOR

3033 N.W. 63rd St.; Ste-250-E, Okla. City, Okla. 73116

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1372' FSL &amp; 2375' FWL of section, NE SW

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-037-30539

DATE ISSUED

15. DATE SPUDDED

4/11/80

16. DATE T.D. REACHED

4/30/80

17. DATE COMPL. (Ready to prod.)

NA P &amp; A

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

5656' GL, 5668' KB

19. ELEV. CASINGHEAD

NA

20. TOTAL DEPTH, MD &amp; TVD

5692'

21. PLUG, BACK T.D., MD &amp; TVD

NA

22. IF MULTIPLE COMPL.,  
HOW MANY\*

NA

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - 5692'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

NA

25. WAS DIRECTIONAL  
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neu-Frm Den, Dual Ind., BHC Sonic

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	1484	12 1/4"	Cmt'd w/600 sxs Lite Tailed in w/200 sxs C1 'B Cmt circ.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA					NA		

31. PERFORATION RECORD (Interval, size and number)

NA

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	

33.\*

## PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
DATE OF TEST	HOURS TESTED	CHOKE SIZE
PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE
	OIL—BBL.	GAS—MCF.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSES

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

J.D. Rawdon

TITLE

District Manager

DATE

May 7, 1980

\*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED  
MAY 12 1980  
DIVISION OF  
OIL, GAS & MINING

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Cutler	2320	
				Upper Hermosa	4024	
				Upper Ismay	5346	
				Desert Creek	5575	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Pickett Federal Well No. 1-33  
Operator: McCulloch Oil & Gas Corp. Address: 3033 N.W. 63rd St.  
Oklahoma City, Oklahoma 73116  
Contractor: Brinkerhoff-Signal Address: Denver, Colorado  
Location 1/4 1/4; Sec. 33 T. 36 N, R. 25 E; San Juan County.  
S N

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>	
	<u>From-</u>	<u>To-</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	<u>5390</u>	<u>5440 *</u>	<u>Raised mud wt. from</u>	<u>Salty</u>
2.			<u>9.0 ppg to 10.7 ppg</u>	
3.				
4.	<u>* Drill depth when first noticed water flow. Would anticipate the flow is</u>			
5.	<u>above this point.</u>			

(Continue on Reverse Side if Necessary)

Formation Tops:

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.  
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.  
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

RECEIVED  
MAY 12 1980

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U 24636	
2. NAME OF OPERATOR McCulloch Oil & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 3033 N.W. 63rd St.; Ste 250-E, Okla. City, Okla. 73116		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1372' FSL & 2375' FWL of section		8. FARM OR LEASE NAME Pickett Federal	
14. <del>XXXXXX</del> No. API #43-037-30539		9. WELL NO. 1-33	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5656' GL, 5668' KB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T36S-R25E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOT OR ACIDIZE ☐ABANDON\* ☒SHOOTING OR ACIDIZING ☐ABANDONMENT\* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following procedure is to be used for the plug and abandonment of the subject well:

1. Load hole with 12 ppg 45 viscosity mud.
2. Set cement plugs as follows:
  - a. 5625 to 5525' (Desert Creek Top - 5575').
  - b. 5400 to 5300' (Upper Ismay - 5346').
  - c. 4220 to 4120' (Upper Hermosa - 4024').
  - d. 2370 to 2270' (Cutler - 2320').
  - e. 1585 to 1435' (Surface casing set at 1484').
  - f. 50' to surface.
3. Weld on steel plate and install dry hole marker.
4. Clean and restore location.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MININGDATE: 5-16-80BY: M. J. Minder

18. I hereby certify that the foregoing is true and correct

SIGNED J.D. RawdonTITLE District Manager

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
MAY 12 1980

\*See Instructions on Reverse Side

DIVISION OF  
OIL, GAS & MINING



May 14, 1980

McCulloch Oil & Gas Corp.  
3033 N.W. 63rd. St.  
Suite 250-E  
Oklahoma City, Oklahoma 73116

Re: Well No. Pickett Federal #33-1  
Sec. 33, T. 36S, R. 25E.  
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 5-7-80, from above referred to well, indicates the following electric logs were run: COMP NEU-FRM DEN, DUAL IND. BHC SONIC. As of today's date this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

*Janice Tabish*  
JANICE TABISH  
CLERK-TYPIST

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: McCulloch Oil and Gas (J.D. Rawdon 405-840-3285)

WELL NAME: Pickett Federal #33-1

SECTION 33 NE SW TOWNSHIP 36S RANGE 25E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 5692'

CASING PROGRAM:

8 5/8" @ 1484'

7 7/8" @ TD openhole

FORMATION TOPS:

Carmel 700' Desert Creek 5575'

Navajo

Wingate 1100'

Chinle 1450'

Cutler 2320'

U. Hermosa 4024'

U. Ismay 5346'

PLUGS SET AS FOLLOWS:

#1 5625' - 5525'

#2 5400' - 5300'

#3 4220' - 4120'

#4 2370' - 2270'

#5 1585' - 1435'

#6 50' - surface

Original Signed By M. T. Minder

DATE May 16, 1980

SIGNED \_\_\_\_\_

cc: USGS

**McCulloch Oil and Gas Corporation**



May 19 1980  
**RECEIVED**  
MAY 23 1980

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Division of Oil, Gas, & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attn: Ms. Janice Tabish

Re: Well No. Pickett Federal #33-1  
Sec 33, T36S-R25E  
San Juan County, Utah

Dear Ms. Tabish:

In reference to your letter dated May 14, 1980, concerning log prints on the subject well; we inadvertently left the State of Utah's name off of the distribution list sent to Schlumberger. After talking to their office, I found that the film is on the way to this office. As soon as we have had a chance to make more prints, I will send you a copy.

Yours very truly,  
McCulloch Oil & Gas Corp.

*Dorothy C. Jones*  
Dorothy C. Jones  
Secretary